

**Commonwealth of Kentucky
Division for Air Quality**

PERMIT APPLICATION SUMMARY FORM

Completed by: Luis D. Fuentes

GENERAL INFORMATION:

Name:	Stanton Compressor Station
Address:	3066 Morris Creek Road Stanton, KY 40380
Date application received:	7/18/2007
SIC Code/SIC description:	4922, Natural gas transmission
Source ID:	21-197-00006
Agency Interest:	44369
Activity:	APE20070002
Permit:	V-07-039

APPLICATION TYPE/PERMIT ACTIVITY:

<input type="checkbox"/> Initial issuance	<input type="checkbox"/> General permit
<input checked="" type="checkbox"/> Permit modification	<input type="checkbox"/> Conditional major
__Administrative	<input checked="" type="checkbox"/> Title V
__Minor	<input checked="" type="checkbox"/> Synthetic minor
<input checked="" type="checkbox"/> Significant	<input type="checkbox"/> Operating
<input type="checkbox"/> Permit renewal	<input checked="" type="checkbox"/> Construction/operating

COMPLIANCE SUMMARY:

<input type="checkbox"/> Source is out of compliance	<input type="checkbox"/> Compliance schedule included
<input checked="" type="checkbox"/> Compliance certification signed	

APPLICABLE REQUIREMENTS LIST:

<input type="checkbox"/> NSR	<input checked="" type="checkbox"/> NSPS	<input checked="" type="checkbox"/> SIP
<input type="checkbox"/> PSD	<input checked="" type="checkbox"/> NESHAPS	<input type="checkbox"/> Other
<input checked="" type="checkbox"/> Netted out of PSD/NSR <input type="checkbox"/> Not major modification per 401 KAR 51:001, 1(116)(b)		

MISCELLANEOUS:

- ☐ Acid rain source
- ☐ Source subject to 112(r)
- ☒ Source applied for federally enforceable emissions cap
- ☐ Source provided terms for alternative operating scenarios
- ☒ Source subject to a MACT standard
- ☐ Source requested case-by-case 112(g) or (j) determination
- ☐ Application proposes new control technology
- ☒ Certified by responsible official
- ☒ Diagrams or drawings included
- ☐ Confidential business information (CBI) submitted in application
- ☐ Pollution Prevention Measures
- ☐ Area is non-attainment (list pollutants):

EMISSIONS SUMMARY:

Pollutant	Actual (tpy)	Potential (tpy)
PM/PM ₁₀	1	2.5
SO ₂	0.37	1.1
NO _x	673	3095.04
CO	90.5	335
VOC	15	67.3
Formaldehyde	6.4	29.6

SOURCE DESCRIPTION:

Columbia Gulf Transmission Company owns a compressor station in Stanton, Powell County, KY. A natural gas transmission station, receives natural gas via pipeline or from any storage facility and compresses, or transmits, the natural gas for transport via pipeline.

Equipment at this station includes:

- 1- Four natural gas reciprocating engines (Cooper-Bessemer LSV-16, 4 stroke lean burn)
- 2- One natural gas turbine & compressor (Pratt & Whitney GC3C-1)
- 3- One natural gas-fired turbine (Solar Mars 100-T15000S)
- 4- One engine generator (660 HP-4 cycle engine)

EMISSIONS AND OPERATING CAPS DESCRIPTIONS:

CO emission from unit 08 (EP 108) shall not exceed 125 tons per year, to preclude the applicability of a significant emission increase (401 KAR 51:017).

OPERATIONAL FLEXIBILITY:

None